

Amendments to the Specification:

Please replace the paragraph beginning at page 39,  
paragraph [0101] with the following amended paragraph:

[0101] FIG. 16 is a perspective view illustrating a process of using a segmented region of video imagery to determine and dynamically position an approximate model of the moving object in a three dimensional environment model to capture the projection of the segmented imagery. FIG. 16 illustrates the case of a ~~ground-level~~ camera and a tracked object (e.g., a person or vehicle) that rests on the ground 1600 in a three dimensional model. A dynamic model surface 1660 can be placed in the three dimensional model to capture the projection of an identified moving object.

Please replace the paragraph beginning at page 41,  
paragraph [0105] with the following amended paragraph:

[0105] With the assumption that moving objects rest on the ground, point 1670 can be used to define the 3D position of the model surface 1660. The orientation of the model surface 1660 is denoted by a vector 1680, which can be set in the same

vertical plane as the vector 1650 and set perpendicular to a scene model up-vector (i.e., ~~the vector 1680 lies in the ground plane 1600~~). Two corners of the bounding box 1630 can then be projected onto the model plane to determine the size of the model surface 1660.